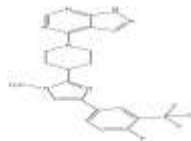


PRODUCT: LY-2584702**ALTERNATE NAME:** 4-[4-[4-[4-fluoro-3-(trifluoromethyl)phenyl]-1-methyl-imidazol-2-yl]-1-piperidyl]-1H-pyrazolo[3,4-d]pyrimidine**CATALOG #:** 9445-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₈H₂₇F₄N₇O₃S**MOLECULAR WEIGHT:** 617.62**CAS NUMBER:** 1082949-68-5**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** LY-2584702 is a potent, ATP-competitive inhibitor of p70S6K signaling, with potential antineoplastic activity. LY-2584702 inhibits ribosomal protein S6 Kinase (p70S6K), and prevents phosphorylation of the S6 subunit of ribosomes, thereby inhibiting normal ribosomal function within tumor cells leading to a decrease in protein synthesis and in cellular proliferation.**REFERENCES:** Hollebecque, A., *et al.* (2014). *Eur. J. Cancer* **50**, 876-884.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**p70SR kinase Antibody (**Cat. No. 3485-100**)phosphor p70 SR Kinase Antibody (**Cat. No. 3505-100**)Active p70 SRK (**Cat. No. 7725-5, 100**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**